

Call	Channel	Location		Dist	Azi	FCC	Margin
KLIZFM LI	298C1	Brainerd	MN	84.68	16.0	133.0	-48.32

--- Channel 300 107.9 MHz. ---

KQQL	LI	300C	Anoka	MN	89.72	109.0	226.0	-136.28
KQQLFM	AP	300C	Anoka	MN	89.72	109.0	226.0	-136.28
KPFX	LI	300C1	Fargo	ND	196.73	302.3	200.0	-3.27

ments, solid state chemistry, coordination compounds, organometallic compounds and catalysis. Laboratory emphasis is on the synthesis, characterization and reactivity of inorganic compounds. Prerequisites: 333, 334. Fall.

#### **350 Library Research and Seminar. (1-2)**

In-depth library research and reading primary sources on a single topic; emphasis of seminar is on comprehension and criticism. Prerequisites: 320, 333. Spring.

#### **351 Laboratory Research and Seminar. (1-4)**

Independent laboratory research experience with emphasis on modern techniques and equipment. Seminar. Prerequisites: 320, 333, 350.

#### **371 Individual Learning Project. (1-4)**

Supervised reading or research at the upper-division level. Permission of department chair and completion and/or concurrent registration of 12 credits within the department required. Consult department for applicability towards major requirements. Not available to first-year students.

#### **375 Supervised Study. (0-4)**

Full-time learning experience during the January Term done under the direction of a faculty moderator, often in conjunction with an off-campus supervisor. Requires permission of instructor. Not available to first-year students.

#### **376 January Term Topics. (0-4)**

Study at the upper-division level of a special topic not ordinarily offered during the semesters. Consult department for applicability towards major requirements. May be repeated for credit when topics vary.

#### **377 January Term Core Topics. (0-4)**

Study at the upper-division level of a special topic not ordinarily offered during the semesters. Designed to fulfill core disciplinary requirement. Consult department for applicability towards major requirements. May be repeated for credit when topics vary.

#### **398 Honors Senior Essay, Research or Creative Project. (6)**

Required for graduation with "All-College Honors" and "Departmental Distinction in Chemistry." Prerequisite: HONR 396 and approval of the department chair and director of the honors program. For further information see HONR 398.

## **COMMUNICATION**

*Chair: Joan Stech*

*Faculty: Cook (I), Ice, Palczewski, Rengel, Stech (I), Vonnagut*

To study communication is to engage in one of the oldest of the liberal arts. The first Greek schools (6th century B.C.) were schools of rhetoric that taught students how to maintain truth against falsehood, how to discover what is most near the truth when faced with

probabilities, how to cultivate the habit of seeing both sides and discovering fallacious reasoning, and how to defend oneself with reason instead of relying on physical strength. From these ancient roots in public oratory and classical rhetorical theory to its modern inclusion of multiple communication contexts, the communication discipline has explored the human condition by examining how we communicate and how communication shapes the world.

Communication courses are designed to provide students with the theory and skills in communication which are necessary for college work and for personal and professional development after graduation. These courses are recommended for students considering careers in teaching, management, government, law, public relations, newspaper and magazine writing, and broadcasting.

### **MAJOR (40 CREDITS)**

Forty (40) credits – the equivalent of ten (10) courses – distributed as follows:

1. At least two of the foundation courses (8 credits): 101, 103, 105. Note: The third foundation course may be taken to fulfill ONE of the area requirements described below in #2, #3 or #4.
2. At least one course (4 credits) from Area 1, Rhetoric and Public Address: 111, 225, 301, 302, 320, 325, 332, 333 or 381.
3. At least one course (4 credits) from Area 2, Communication Theory: 205, 250, 251, 350, 351, 355, 365, 367 or 385.
4. At least one course (4 credits) from Area 3, Media Studies: 245, 313, 335, 345, 349 or 383.
5. At least 16 credits of the major must be 300-level communication department courses.
6. Two of the courses (8 credits) for the major may be from: ENGL 286, ENGL 311, ENGL 315, ENGL 369, ENGL 386, ENGL 387, ENGL 388, THEA 117-118, THEA 223, PSYC 235, PSYC 347, SOCI 201 or SOCI 302.
7. Plus additional courses within the department to complete the required 40 credits.

### **MINOR (24 CREDITS)**

Twenty-four (24) credits – the equivalent of six (6) – courses distributed as follows:

1. At least one course (4 credits) from the following: 101, 103 or 105.
2. At least 20 additional credits:
  - a) 8 credits of which must be 300-level communication courses.
  - b) 4 credits of which may be from among the following: ENGL 286, ENGL 311, ENGL 315, ENGL 369, ENGL

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386, ENGL 387, ENGL 388, THEA 117-118, THEA 223, PSYC 235, PSYC 347, SOCI 201 or SOCI 302.

### TRANSITIONAL MAJOR (40 CREDITS) TRANSITIONAL MINOR (24 CREDITS)

A transitional major and minor exist for students who enrolled at CSB or SJU prior to fall 1991. See department chair for a description of the requirements.

#### Special Requirements:

Note special restrictions marked with an asterisk (\*) in the course descriptions below.

#### Suggestions:

COMM 245 is highly recommended for students interested in internships in public relations, broadcasting and journalism. COMM 355 is recommended for students interested in pursuing graduate study in communication.

### COURSES

#### (COMM)

##### 101 Persuasion in Society. (4)

This course is an introduction to public persuasion, examining the mechanisms by which individuals, groups and institutions seek to reinforce or alter the beliefs, attitudes, values and behaviors of American audiences. The principle goal of this course is to make students more analytical and discriminatory consumers of persuasive messages in society. Note: This is not a performance course.

##### 105 Media and Society. (4)

This course will explore the functions and effects of media in society, the historical development of print and non-print media in America, and the role of mass media in creating knowledge. It will introduce some fundamental critical tools for evaluating media messages as well as provide the basic understanding of mass media needed for advanced study in the mass media components of the department's curriculum.

##### 105 Introduction to Human Communication. (4)

This course provides students with a general overview of communication theory and research, particularly as it relates to their everyday interactions. Topics include theories of communication on meaning, language, perception, nonverbal cues, relationships, self-presentation, self-disclosure, conflict, listening, persuasion, groups and organizations.

##### 111 Public Speaking. (4)

Provides the theory and practice to equip students to prepare and deliver effective speeches. Offers students opportunities to present original and researched ideas to an audience as well as to analyze the speeches of others. Addresses rhetorical issues such as credibility, audience analysis and logical reasoning. Develops skills in organization, outlining, critical thinking, and speech criticism. Each semester. (A-F grading only.)

##### 176 January Term Topics. (0-4)

Study at the introductory level of a special topic not ordinarily offered during the semesters. Consult department for applicability towards major requirements. May be repeated for credit when topics vary.

##### 177 January Term Core Topics. (0-4)

Study at the introductory level of a special topic not ordinarily offered during the semesters. Designed to fulfill core disciplinary requirement. Consult department for applicability towards major requirements. May be repeated for credit when topics vary.

##### 205 Interpersonal Communication. (4)

Introduces students to basic principles and theories of interpersonal communication. Readings, discussion and exercises facilitate understanding of interpersonal communication processes. Topics include perception, self-concept, listening, conflict, nonverbal cues and gender roles.

##### 225 Argumentation and Debate. (4)

Theory and practice of argumentation and debate. Argument as form and process. Various classical forms of logical reasoning as well as the contemporary Toulmin model are studied and applied to argument in public contexts. Prerequisite: COMM 111 or permission of instructor. Note: Students who have taken COMM 322 may NOT take this course for credit.

##### 245 Introductory Media Writing. (4)

Studies the reporting and writing of news stories and the writing style used in the news profession. The class concentrates on learning the investigative and research methods and the concise, accurate and informational writing used in news media and public relations. Includes learning word processing, conducting interviews and reporting and writing news articles. Prerequisite: Completion of First-Year Symposium or equivalent and basic typing skills. Each semester.

##### 250 Effective Listening. (4)

Introduces students to basic principles and theories of listening. Approaches listening as a critical component in the communication process. Readings, discussion and exercises facilitate understanding of effective listening and development of individual listening skills. Topics include discriminative, comprehensive, critical, therapeutic and appreciative listening.

##### 251 Communication and Conflict. (4)

Introduces students to principles and theories of conflict. Examines a variety of approaches to managing conflict. Emphasizes conflict in interpersonal, group, organizational and intercultural contexts. Alternate years.

##### 271 Individual Learning Project. (1-4)

Supervised reading or research at the lower-division level. Permission of department chair required. Consult department for applicability toward major or minor requirements. Not available to first-year students.

**276 January Term Topics. (0-4)**

Study of a special topic not ordinarily offered during the semesters. Consult department for applicability toward major or minor requirements. May be repeated for credit when topics vary.

**277 January Term Core Topics. (0-4)**

Study of a special topic not ordinarily offered during the semesters. Designed to fulfill core disciplinary requirement. Consult department for applicability toward major or minor requirements. May be repeated for credit when topics vary.

**301 Persuasion. (4)**

An analysis and survey of the theories and methods of persuasion looking at not only how to persuade others but also at how to be a responsible judge of the efforts of others to persuade us. Attention given to the ethics of persuasion particularly in advertising and propaganda. Prerequisite: COMM 111.

**302 Public Address. (4)**

A critical and historical study of public discourse in a variety of forms including artistic, public and private. The specific focus of the course may change from year to year (for example, American public address, classical public address or British public address). Prerequisite: COMM 111 or COMM 101.

**313 Media Law and Ethics. (4)**

Legal and ethical questions regarding the mass media. Same as CORE 390, Communication Ethics. \*If this course is taken to fulfill the COMM major or minor, an additional CORE 390 course must be taken to fulfill the Senior Seminar requirement. Prerequisite: COMM 103. Offered infrequently.

**325 Theory of Argument. (4)**

A theoretical and philosophical study of argument: conceptions of truth, epistemology, proof and rationality. It will explore both the historical roots of argument theory (e.g., Aristotle, Mill, Hume, Whately) as well as contemporary developments (e.g., Toulmin and Perelman and feminist critiques of rationality). Students will have some opportunity for practical application through critical analyses of contemporary discourse. Prerequisite: COMM 225.

**332 Rhetorical Theory. (4)**

Major rhetorical theories from Aristotle to the present. Attention given to understanding how communication functions and why communication is key to understanding human interaction. Prerequisite: COMM 111 or COMM 101.

**333 Rhetorical Criticism. (4)**

Examination of the criticism of rhetorical texts from a variety of perspectives including neo-Aristotelian, generic and feminist approaches. Questions of judgment based on ethical, aesthetic and effects criteria will be addressed. Critical methods will be studied and applied to contemporary and/or historical rhetorical texts.

**335 Media Coverage of Elections. (4)**

An examination of the ways in which the mass media cover political campaigns and, thereby, influence the perceptions and behaviors of candidates, reporters and voters. Specific areas of study will include news reporting, press editorials, content analysis of both, campaign advertising, both print and visual media. Students will engage in original research on a current campaign. Fall, alternate years, during election campaigns. Cross-listed as GOVT 335.

**345 Advanced Media Writing. (4)**

This course continues to develop writing and reporting techniques and methods introduced in COMM 245. Emphasizes investigative and feature writing; fine tunes writing under deadline pressure. Explores broadcast writing, studies the history and sociology of modern American journalism and media law and ethics. Prerequisite: COMM 245.

**349 Media Criticism. (4)**

A study of one or more critical methods (effects, content analysis, feminist, semiotic, psychoanalytic, rhetorical, Marxist) and the application of such methods to print or non-print media. Prerequisite: COMM 103.

**350 Intercultural Communication. (4)**

An examination of the relationship between communication and culture. Communication theory is used to identify and explore barriers and opportunities in communicating with individuals from different cultures. Skills necessary for communication across cultures are identified and developed. Spring.

**351 Gender and Communication. (4)**

Examines the impact of socialization on gender roles and, in turn, the influence of gender roles on communication. Looks at the communication behavior of women and men in same sex and mixed sex contexts. Introduces students to current theories of gender communication. Examines the function of communication in gender role development. Topics include language, perception, nonverbal cues, communicative style, gender in intimate contexts, gender in public contexts and gender in the media.

**355 Communication Theory. (4)**

An in-depth examination of contemporary communication theories and research. Topics include systems theory, structural theories of signs and meaning, cognitive and behavioral theories, symbolic interactionist and dramatic theories, theories of cultural and social reality, interpretive and critical theories, contextual theories, and trends in communication theory and research. This course is especially recommended for students interested in pursuing graduate studies in communication. Prerequisite: COMM 105.

**365 Group Communication. (4)**

Examines the theory and practice of group communication. Includes such topics as group dynamics, decision making, power, norms and roles, conflict, groupthink and communication theory.

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**367 Organizational Communication. (4)**

The elements of organizational behavior and processes are discussed from a communication perspective. Includes such topics as organizational theory, communication theory, motivation and satisfaction, power, corporate culture, conflict, management styles, and organizational diagnosis and change.

**371 Individual Learning Project. (1-4)**

Supervised reading or research at the upper-division level. Permission of department chair and completion of 12 credits within the department required. \*Four credits maximum will count toward the major. Not available to first-year students.

**375 Supervised Study. (0-4)**

Full-time learning experience during the January Term done under the direction of a faculty moderator, often in conjunction with an off-campus supervisor. Requires permission of instructor. Not available to first-year students.

**376 January Term Topics. (0-4)**

Study at the upper-division level of a special topic not ordinarily offered during the semesters. Consult department for applicability toward major or minor requirements. May be repeated for credit when topics vary.

**377 January Term Core Topics. (0-4)**

Study at the upper-division level of a special topic not ordinarily offered during the semesters. Designed to fulfill core disciplinary requirement. Consult department for applicability toward major or minor requirements. May be repeated for credit when topics vary.

**381 Special Topics in Rhetoric and Public Address. (4)**

An advanced course focusing on a specific topic in rhetorical theory, rhetorical criticism or public address. Previous topics included: Contemporary Women's Rhetoric and Feminist Criticism, Social Movements and History of North American Women's Rhetoric. May be repeated as the topic changes. Prerequisites vary with the topic.

**383 Special Topics in Mass Media. (4)**

A study of a special topic not ordinarily treated in standard courses. Examples: media history, screenwriting, documentary biography, criticism of a particular genre. May be repeated as the topic changes. Prerequisites vary according to the topic.

**385 Special Topics in Communication Theory. (4)**

An advanced course focusing on a specific topic in communication theory. May be repeated as the topic changes. Prerequisites vary according to the topic.

**392 Communication Practicum. (1)**

Under the supervision of an approved instructor, students who participate in one of the following may receive credit: KSJU radio, KSJR-FM, KNSR-FM, student publications or major forum debates. With an instructor's approval, students may also design appropriate practical projects. Evidence of

work completed (e.g. portfolio, videotape, etc.), conferences with moderator, a structured self-evaluation; and, where appropriate, written evaluations by other faculty or professional supervisors are required. Permission of department chair required before the student registers for the course. \*Course is repeatable for total of 4 credits. Every semester.

**397 Internship. (4-16)**

Practical off-campus experience for juniors and seniors in the areas of broadcasting, journalism, public relations, public speaking, mass communication and personnel. Experience is arranged by the student with the advice and approval of the internship director prior to registering for the course. Departmental moderator supervises and evaluates the experience. Every semester. \*A maximum of 4 internship credits may be applied toward completion of the major or minor. Prerequisite: pre-internship seminar.

**398 Honors Thesis/Senior Thesis. (4)**

Required for graduation with "All-college Honors" and/or "Departmental Distinction in Communication." Prerequisite: HONR 396 and approval of the department chair and the director of the Honors Program. For further information see HONR 398.

**COMPUTER SCIENCE**

*Chair: Michael Ross*

*Faculty: Freund, Herzfeld, Ross, Holey, Ziegler*

Computer science is a rapidly changing field of study. In response to this dynamic nature, the computer science curriculum stresses underlying theories and principles, thus providing a foundation on which to build. Individual courses then combine this theory with the applications current to each topic.

**MAJOR**

The computer science department offers majors in mathematics/computer science and physics/computer science.

**Mathematics/Computer Science Major (48 credits)**

This major focuses on the study and implementation of algorithms and the theories behind computability and is appropriate for students interested in software design, algorithm analysis and graduate study in computer science.

**Required Courses:**

121, 200, 210, 339, 350, and one other 300 level course; MATH 119, 120, 239, 241, 331, and either 338 or 345.